

WILMAPCO Council:

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Mayor of Newport

WILMAPCO Executive Director
Tigist Zegeye

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RESOLUTION

BY THE WILMINGTON AREA PLANNING COUNCIL (WILMAPCO) APPROVING THE PRIORITIZATION OF PROJECT SUBMISSIONS FOR THE FY 2020-2023 TRANSPORTATION IMPROVEMENT PROGRAM

WHEREAS, the Wilmington Area Planning Council (WILMAPCO) has been designated the MPO for Cecil County, MD and New Castle County, DE by the Governors of Maryland and Delaware respectively; and

WHEREAS, the Transportation Improvement Program (TIP) shall include a priority listing of projects to be carried out within the four-year time period, as directed by federal transportation legislation; and

WHEREAS, the Prioritization Process was adopted by Council May 11, 2006; and

WHEREAS, the prioritization process will continue to be refined as experience is gained in using the system and as better scoring criteria are developed; and

WHEREAS, the Technical Advisory Committee has reviewed the technical scoring; and

WHEREAS, the Delaware Department of Transportation uses this project ranking to assess WILMAPCO priorities when ranking projects statewide;

NOW, THEREFORE, BE IT RESOLVED that the Wilmington Area Planning Council approves the project prioritization for the FY 2020-2023 TIP for submission to the Delaware Department of Transportation.

Date:

John Sisson, Chairperson
Wilmington Area Planning Council



FY 2020-2023 TIP Project Prioritization

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Construction FY	AQ Model Year	PROJECT	Improve Quality of Life			Efficiently Transport People					Support Sustainable Economy/Goods Movement			2017 Technical Score	2017 Council Rank for	2018 Technical Score	2018 Council Rank for	Notes for FY 2020-23 TIP prioritization	
			Air Quality	Environmental Justice	Safety	CMS Corridor	CMS ADT	CMS Transit	Transportation Justice	Pedestrian Priority	Freight	Economic Development	Funding Match						
1																			
1		PROJECTS IN FY 2019-2022 TIP																	
2		Arterial																	
3	21-22	SR 2, Kirkwood Highway and Red Mill Rd. Intersection	0	0	4	2	2	3	0	3	2	3	0	3	0	19	1	19	
4	21-22	Churchmans: SR 273/Chapman Rd.	0	0	4	2	2	2	0	3	2	3	0	3	0	18	2	18	
5	PE	Churchmans: SR4/Harmony Rd.	0	0	4	2	2	3	0	1	3	3	0	3	0	18	2	18	
6	OY	Wilmington Traffic Calming: 4th St. Walnut - I-95	1	3	2	2	0	2	0	3	2	3	0	3	0	18	2	18	
7	19-20	Wilmington Traffic Calming: King/Orange: MLK Blvd. to 13th	1	3	2	2	0	2	0	3	2	3	0	3	0	18	2	18	
8	22-24	Wilmington Traffic Calming: Walnut: 3rd - 13th St	0	3	1	2	2	2	0	3	2	3	0	3	0	18	2	18	
9	PE	Churchmans: SR4/SR7 Stanton Split	0	0	3	2	3	2	0	1	2	3	0	3	0	16	3	16	
10	OY	SR 9: Landers Ln - A St	1	1	2	0	0	0	3	3	2	3	0	3	0		15		Added to FY 19 TIP
11	19-21	2030 SR 2 Elkton Rd: Maryland State Line - Casho Mill Rd.	-3	0	4	2	2	1	0	1	3	3	0	13	4	13			
12	23-24	US 40: US 40/SR 896 Grade Separated Intersection	-3	0	4	2	2	1	0	1	3	3	0	13	4	13			
13	21-24	US 40: US 40, Salem Church Rd to Wallther Rd	-3	1	4	2	2	1	0	2	3	0	2	3	0	12	5	12	
14	22-24	2030 SR 4, Christina Parkway: SR 2 - SR 896	-3	0	4	2	2	0	0	1	2	3	0	11	6	11			
15	20-22	SR299: SR 1 - Catherine Street	-3	0	3	1	0	2	0	3	2	3	0	11	6	11			
16	PE	SR 9, River Rd. Area, Dobbinsville	0	0	0	0	0	0	3	1	0	3	0	7	8	7			
17	PE	US 13: Duck Creek - SR 1	1	0	0	0	0	0	1	0	0	1	0	3	9	3			
18	23-24	SR 896/Bethel Church Rd Interchange	-3	0	1	0	0	0	0	0	0	0	0	-2	10	-2			
19		Collector																	
20	20-21	Garasches Lane, Phase 1	1	1	0	0	0	0	0	3	0	3	0	8	1	8			Title Change
21	PE	Old Capitol Trail: Newport Rd to Stanton Rd	1	1	0	0	0	0	1	1	0	3	0	7	2	7			
22	PE	OHS Chapel Rd / Welsh Track Rd Intersection	0	0	3	0	0	0	0	0	0	0	0	0	3				Added to FY 2019 TIP, not in RTP
23	20	Possum Park Rd. at Old Possum Park Rd.	0	0	0	0	0	0	0	0	0	1	0	1	3	1			
24		Expressways																	
25	PE	I-295 Northbound: SR 141 - US 13	-3	0	3	2	4	0	0	0	4	3	0	13		13			Added to FY 2019 TIP, 2030 in-service
26	PE	SR 1 Widening, SR 273 - Roth BR	-3	0	4	2	4	3	0	0	2	3	0	15	2	15			
27	23-24	I-95: SR 896 Interchange	-3	0	3	2	4	2	0	0	3	3	0	14	3	14			
28	19-21	Road A / SR 7	-3	0	2	2	2	2	0	0	0	3	0	8	4	8			
29		Local																	
30	22-24	Southern New Castle County: Boyd's Corner Rd.: Cedar Ln - US 13	-1	0	3	0	0	0	0	0	0	1	3	6	1	6			
31	19	Southern New Castle County: Shallcross Lake Rd Relocated	0	0	0	0	0	0	0	0	0	1	4	5		5			Added to FY 2019 TIP
32	22-23	Southern New Castle County: Cedar Lane Rd.: Marl Pit - Boyd's Corner	0	0	0	0	0	0	0	0	0	1	3	4	2	4			
33	22-23	Southern New Castle County: Lorewood Grove Rd.: N412A - SR 1	-1	0	0	0	0	0	0	0	0	1	2	2	3	2			
34	PE	Denny/Lexington Parkway Intersection	0	0	0	0	0	0	0	1	0	1	0	2	3	2			
35		Pedestrian Bicycle																	
36	20-24	US 13: Christina River Bridge - US 40 Pedestrian Safety Improvements	3	1	4	2	3	3	0	3	4	3	0	26	1	26			
37	PAR Funding	SR 48: N. DuPont Rd - SR 141 Pedestrian Safety Improvements	1	3	3	1	2	1	1	1	2	3	0	18	2	18			
38	W/ Pave/Rehab	Delaware Avenue Separated Bicycle Facility	1	0	2	2	2	2	1	0	3	2	3	0	16	3	16		
39		Transit																	
40	19	Wilmington Transit Center	3	3	2	2	2	2	2	0	3	2	3	2	24	1	24		
41		Transit Vehicle Replacement and Refurbishment, New Castle County	1	3	2	2	2	2	3	0	0	3	0	19	2	19			

FY 2020-2023 TIP Project Prioritization

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Construction FY	AQ Model Year	PROJECT	Improve Quality of Life			Efficiency Transport People				Support Sustainable Econ Dev/Goods Movement			2017 Technical Score	2017 Council Rank for	2018 Technical Score	2018 Council Rank for	Notes for FY 2020-23 TIP prioritization		
			Air Quality	Environmental Justice	Safety	CMS Corridor	CMS ADT	CMS Transit	Transportation Justice	Pedestrian Priority	Freight	Economic Development						Funding Match	
1																			
42	PE	Rail Improvements: Fairplay Station Parking	3	0	3	2	2	3	0	0	0	0	0	16	3	16			
43		Transit Vehicle Expansion, NCC	3	1	2	1	2	1	3	0	0	0	0	16	3	16			
44	19-20	Middletown Park and Rides	3	0	3	1	0	0	0	0	0	2	3	0	12	5	12		
45	20-21	New Castle County Transit Center	3	0	0	0	0	0	0	0	0	0	0	6	6	6			
46		Rideshare Program, statewide	3	0	0	0	0	0	0	0	0	0	0	6	6	6			
47		NOT IN FY 2018-2021 TIP																	
48		Aerial																	
49		Churchmans: SR2/Harmony Rd.	0	0	3	2	2	3	0	1	2	3	0	16	1	16			
50		SR 896: US 40 - I-95, third lane	-3	0	4	2	3	1	0	3	3	0	0	16	1	16		Consider for 2050 RTP contrained list	
51		SR 2: S. Union Street Streetscape	0	0	0	2	2	3	1	3	0	3	0	14	3	14			
52		US 13: SR 71, Tybouts Corner - US 40	-3	0	3	2	4	2	0	1	2	3	0	14	3	14			
53		Churchmans: Churchmans Rd. Extension	-3	0	4	2	2	2	0	1	2	3	0	13	4	13			
54		Wilmington Initiatives: Market St: 11th St. - 16th St.	0	3	0	2	2	0	0	3	0	3	0	13	4	13			
55		US 40/SR 7 Grade Separated Intersection	-3	0	4	2	2	1	0	1	2	3	0	15	2	12		Renamed from US 40/SR 7 intersection	
56		US 40: SR 896-Salem Church Rd, Widening	-3	-1	4	2	3	2	0	0	2	3	0	12	5	12			
57		City of New Castle: SR 9	-1	0	2	1	0	2	0	3	0	3	0	10	6	10			
58	2040	Tyler McConnell Bridge, SR141: Montchanin Rd. - Alapocas Rd.	-3	0	3	1	2	0	0	0	2	3	0	8	8	8			
59		US 40: Eden Square Connector	-1	0	4	0	0	0	0	1	0	3	0	7	9	7			
60		North Claymont Area Master Plan - US 13: I-495 - PA Line	1	0	0	0	0	0	0	1	2	3	0	7	7	7		All NCAMP recommendations to be added to 2050	
61		City of New Castle Intersections	0	0	0	0	0	0	0	0	3	0	0	6	10	6			
62		US 13, Odessa Transportation Plan Implementation	1	0	0	0	0	0	0	1	0	3	0	5	11	5			
63		Newtown Road: SR896 - SR 72	-3	0	0	0	0	0	0	0	1	0	3	1	12	1			
64		Collectors																	
65		Wilmington Traffic Calming: 12th St. Connector	-1	3	0	0	0	0	0	3	0	3	0	8	1	8			
66		Glasgow Ave Study Improvements	1	0	0	0	0	0	0	1	0	3	0	5	5	5		All Glasgow Ave recommendations to be added to	
67		Expressways																	
68	2030	US 301: Spur	-3	0	3	1	2	0	0	0	0	3	0	6	2	6			
69		US 40																	
70		Wilmington Initiatives: Shipley Street	1	3	0	2	0	0	0	0	3	0	0	12	1	12			
71		Wilmington Initiatives: Tatnall St. Connector	-1	0	0	2	0	0	0	0	3	0	0	7	2	7			
72		Southbridge Street Network / Garasches Lane Phase 2	-1	1	0	0	0	0	0	0	3	0	0	6	3	6		Renamed	
73		Westown: SR 71/St Annes Church Rd.	-1	0	0	0	0	0	0	0	0	0	3	6	3	6			
74		Westown: Wiggins Mill Rd: Green Giant Rd. - St Annes Church Rd.	-1	0	0	0	0	0	0	0	0	1	4	4	4	4			
75		Pedestrian Bicycle																	
76		Wilmington Initiatives: Bicycle Improvements	1	3	2	2	2	3	3	3	0	3	0	22	1	22			
77		Bicycle, Pedestrian: Marsh Rd.	1	0	3	0	0	0	0	3	0	3	0	10	2	10			
78		DuPont Road Pedestrian Facilities	3	3	0	0	0	0	0	1	0	3	0	10	2	10			
79		Wilmington Initiatives: Water Street Walkway	1	0	0	2	0	0	0	0	3	0	0	9	3	9			
80		Churchmans: Red Mill Rd. Sidewalks, Ruther Dr - SR 2	1	0	0	1	2	0	0	1	0	3	0	8	4	8			
81		US 40: Newtown Trail & Pedestrian Improvements	1	0	0	0	0	0	0	1	3	0	3	0	8	4	8		
82		Bicycle, Pedestrian: Foulk Rd.	1	0	1	0	0	0	0	1	0	3	0	6	5	6			

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Construction FY	AQ Model Year	PROJECT	Improve Quality of Life			Efficiently Transport People					Support Sustainable Econ Dev/Foods Movement			2017 Technical Score	2017 Council Rank for FY 2019	2018 Technical Score	2018 Council Rank for FY 2020	Notes for FY 2020-23 TIP prioritization	
			Air Quality	Environmental Justice	Safety	CMS Corridor	CMS ADT	Transportation Justice	Pedestrian Priority	Freight	Economic Development	Funding Match							
83		Grubb Road Pedestrian Improvements: Foulk Rd. - Naamans Rd.	1	0	0	0	0	0	0	0	1	1	0	3	0	6	5	6	
84		SR 3, Marsh Rd/Washington Street Ext. and SR 3 Pedestrian Improvements	1	0	0	0	0	0	0	0	0	1	0	3	0	5	6	5	
85		Transit																	
86		Transit bus stop improvements - NCC	3	3	2	0	0	0	0	0	3	3	2	3	0	19	1	19	
87		Transit Vehicle Expansion: SR 141	3	1	3	1	2	0	3	0	3	0	2	3	0	18	2	18	
88		US 40: Transit improvements	1	3	4	1	2	2	0	1	0	1	0	3	0	17	3	17	
89		Boyd's Corner Park and Ride Expansion	3	0	4	1	2	0	0	0	0	0	0	1	0	7	4	7	
90		Transit Vehicle Expansion: Paratransit	0	0	0	0	0	0	0	3	0	0	0	3	0	6	5	6	
91		Rail preservation: NCC Historic Red Clay	0	0	0	0	0	0	0	0	0	0	0	1	0	1	6	1	
92																			
93																			

Source: Air Quality: review by Air Quality Subcommittee
 Environmental Justice: 2013 Environmental Justice & Title VI Plan
 Safety: DelDOT crash data, 2013-2015
 CMS: 2017 Congestion Management System Summary

Transportation Justice: 2015 Accessibility and Mobility Report
 Freight: WILMAPCO Regional Freight and Goods Movement Analysis
 Economic Development: Delaware Office of State Planning Policies and Spending Map
 Funding Match: DelDOT finance

REMOVED FROM LIST: UNDER CONSTRUCTION BY FY 2020

100	19	Wilmington Initiatives: Walnut St, Front St - 3rd St	0	3	1	2	2	2	0	3	2	2	3	0	18	2			Construction in 2018
101	18-19	US 40: US 40/SR 7 (pedestrian improvements)	1	0	4	2	2	1	0	1	2	3	0	3	0	16	3		Grouped with HSIP
102	19-20	US 40: US 40/SR 72 Intersection, including Del Laws Rd.	-1	0	4	2	2	1	0	1	1	3	0	13	4			Under construction	
103	18-21	I-95 & SR 141 Interchange - Jay Dr	-1	0	3	0	0	0	0	0	4	3	0	9	7			Construction	
104	20-21	SR 72: SR 71 - McCoy Rd	-3	0	2	0	0	0	0	0	2	1	1	3	9			Utilities construction	
105	18-20	I-295 Westbound: US 13 - I-95	0	0	3	2	4	0	0	0	4	3	0	16	1			Construction	
106	18-19	Southern New Castle County: Cedar Lane Rd. at Marl Pit Rd	0	0	0	0	0	0	0	0	0	1	3	4	2			Construction	
107	18-21	Claymont Regional Transportation Center	3	0	0	0	0	0	3	3	2	3	0	14	4			Construction	
108		SR 141: US 13 - Commons Blvd.	0	0	3	0	0	0	1	0	2	3	0	9	7			Addressed through SR 141: I-95 - Jay Dr	

SUGGESTED PROJECTS TO REMOVE FROM LIST

111		I-95: Riverfront Interchange	-3	-3	0	1	4	3	0	0	3	3	0	8	1				
112		Wilmington Riverfront: West St. Connector Extension	-1	0	0	2	0	0	0	3	0	3	0	7	2				
113		Aeronautics, New Castle County Airport Terminal Improvements	0	0	4	0	0	0	0	0	0	1	0	5	1				
114																			

CMAQ SCORING

Qualitative Index*

Current Total
FY19-22 TIP
Estimate \$

ID	Rank	Project	Notes	Highest Ranking Project Type	VMT	Cost	Life	Total
				x1000				
1	1	GENERAL: Heavy Equipment Program (only diesel retrofits/replacements)		2. Engine Replacements	\$76,388			
2	1	GENERAL: Transit Vehicle Replacement (diesel retrofits/replacements)	Fixed-route only	2. Engine Replacements	\$52,135			
3	2	NCC Transit Center Park and Ride	Not replacement of existing.	3. Park and ride	\$4,750		6	0
4	3	Middletown Park and Ride		3. Park and ride	\$3,500		3	0
5	4	Transit Vehicle Expansion, NCC	Fixed-route only	4. Transit expansion	\$2,216		6	0
6	4	Rail: Newark Regional Transit Center		4. Transit expansion	\$73,089		3	0
7	5	GENERAL: Transportation Management Improvements (expansion)		5. Incident Management	\$52,760			
8	6	New Castle Industrial Track: S of Christina River - Riverwalk		7. Bike/ped	\$24,085		6	0
9	7	Wilmington Traffic Calming: Walnut: MLK Blvd. to 13th		7. Bike/ped	\$12,705		3	0
10	7	SR 2 (Elkton Rd): MD Line to Casho Mill Rd.		7. Bike/ped	\$37,754		3	0
11	7	Old Capitol Trail: Newport Road to Stanton Road (multimodal)		7. Bike/ped	\$5,350		3	0
12	7	Wilmington Traffic Calming: 4th St: Walnut - I-95		7. Bike/ped	\$3,000		3	0
13	7	US 13: Duck Creek - SR 1		7. Bike/ped	\$8,500		3	0
14	7	US 40: US 40/SR 7		7. Bike/ped	\$2,736		3	0
15	7	Wilmington Traffic Calming: King/Orange: MLK Blvd. to 13th		7. Bike/ped	\$6,250		3	0
16	7	US 13: Memorial Drive - US 40 Pedestrian Safety Improvements		7. Bike/ped	\$28,000		3	0
17	7	Myrtle & Manor Avenue Sidewalk Improvements		7. Bike/ped	\$2,715		3	0
18	7	Garasches Lane		7. Bike/ped	\$6,002		3	0
19	7	GENERAL: Bicycle, Pedestrian, and Other Improvements (non-recreational only)		7. Bike/ped	\$18,736			
20	7	SR 9, New Castle Ave., Landers Ln. to A St.	new	7. Bike/ped	\$17,700		3	0
21	8	Rideshare Program, statewide		12. Ridesharing	\$3,660		3	0
22	9	US 40: US 40/SR 72 Intersection		13. Intersection improvements	\$23,222		3	0

CMAQ Project Prioritization Process - Methodology

- Rank projects by type, based on FHWA cost-effectiveness data. Priority by type is: 1. Idle reduction, 2. Heavy vehicle engine replacements (diesel), 3. Park and ride, 4. Transit service expansion, 5. Incident management, 6. Extreme temperature cold start technology, 7. Bicycle and pedestrian, 8. Intermodal freight, 9. Transit amenity improvements, 10. Employee transit benefits, 11. Car sharing, 12. Ridesharing, 13. Intersection improvements, 14. Roundabouts, 15. Bike sharing, 16. Subsidized transit fares, and 17. Electric charging stations

- Within project types, sort by quantitative emission benefits for diesel projects and qualitative benefits for others. Quantitative benefits can be determined from EPA calculators. An index determining the qualitative benefit follows.

*Qualitative Index

- Reduce VMT - negligible (0); moderate (3); significant (6)
- Cost - >2 million (0); \$500,000 - \$2 million (3); <\$500,000 (6)
- Life expectancy - <5 years (0); 5-10 years (3); >10 years (6)